



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Randall Gemmen, et al.  
Serial No. : 10/706,477  
Filed : November 7, 2003  
Title : PIEZOELECTRIC AXIAL FLOW MICROVALVE  
  
Art Unit : 1745  
Examiner :  
DOE Case No.: S-100,791  
Customer No. : 31970



31970

PATENT TRADEMARK OFFICE

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**PETITION TO ACCEPT COLOR PHOTOGRAPHS  
UNDER 37 C.F.R. § 1.84(a)(2) and (b)(2)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This petition is for the acceptance of color photographs under 37 C.F.R. § 1.84(a)(2) and (b)(2). Attached hereto are three (3) sets of color photographs and one set of black and white photographs of the color photos for Figures 4 and 5 of the subject application.

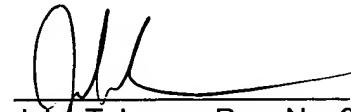
The use of color photographs is necessary for Figs. 4 and 5 of the instant application to clearly illustrate the deflection and stresses, and in particular the von Mises stresses, on the actuator for a specific voltage input. Absent the use of color it would be difficult to effectively display this information. The color photographs submitted with this patent application provide an efficient way to provide the necessary information to one of skill in the art.

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The Applicants request that this petition be approved and the attached color photographs be made available with the patent upon request.

You are hereby authorized to charge Deposit Account 01-2752 of the U.S. Department of Energy in the amount of \$130.00 for this petition to waive the requirements of 37 C.F.R. § 1.84(a)(2) and (b)(2).

Respectfully submitted,



John T. Lucas, Reg. No. 36860  
Attorney for the Applicants

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Regarding this application

Dated: March 30, 2004

Attachments:

- 3 sets of Figs. 4 & 5 (color)
- 1 set of Figs. 4 & 5 (black & white)